I. AMENDMENTS TO THE SPECIFICATION:

Kindly amend the specification as follows.

1. Kindly replace line 21 on page 10, which reads "13b a fixture groove," with the following new line.

13a~~13b~~ a fixture groove

2. Kindly replace the paragraph on page 12, lines 8-17, which begins with "The said sensor part...," with the following new paragraph.

The ~~said~~ sensor part 1 comprises a thin heat resistant metal substrate 2, an insulation film 5 formed on the upper face of the substrate 2, a temperature sensor 3 and a heater 4 formed on the upper face of the insulation film 5, and a protection film 6 formed on the upper faces of the temperature sensor 3, a heater and the like. That is, the sensor part 1 includes outer peripheral part 1a, which forms the sensor part 1 of the corrosion resistant metal material W with thickness of 120~180μ m (or a heat resistant metal substrate 2), and central part 1b, which is made to be a thin plate with thickness of approximately 30~80μ m, as described later, by removing a part of the rear face side of the material W by the method of an electrolytic etching processing (See Fig. 5).

3. Kindly replace the paragraph on page 17, lines 14-21, which begins with "Lastly, a negative...," with the following new paragraph.

Lastly, a negative resist 12a (a spin coat method) and a negative resist 12b~~112b~~ (a dip coat method) are coated on the rear face side of the corrosion resistant metal substrate 2 whereon the afore-mentioned films were formed and the thin substrate part 11b on the rear face side. And then, the thin substrate part 11b (with thickness of approximately 50μ m) of the groove part 11a is penetrated circularly by applying an etching treatment with ferric chloride solution ($FeCl_3$ - 40wt%) so that the sensor part 1 is separated from the material W.

4. Kindly replace the paragraph on page 17, line 22, to page 18, line 4, which begins with "After removing the...," with the following new paragraph.

After removing the resists 12a and 12b, the circle-shaped sensor part 1 separated from the material W is fitted flush into the flat fitting groove 13a of the sensor base 13 formed in the shape shown in Figure 5, and fixed hermetically to the sensor base 13 by laser welding on the outer peripheral part 1a, thus a corrosion resistant metal made thermal type mass flow rate sensor S according to the present invention being constituted.